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CURRENT LISTING OF THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Previously Presented) An apparatus for use in a wellbore, comprising:
an element formed of a superplastic material to perform a predetermined downhole task; and
a component including a seal engageable with the element.

3. (Previously Presented) An apparatus for use in a wellbore, comprising:
an element formed of a superplastic material to perform a predetermined downhole task; and
a component including an anchor actuatable by the element.

4. (Cancelled)

5. (Previously Presented) An apparatus for use in a wellbore, comprising:
an element formed of a superplastic material to perform a predetermined downhole task,
wherein the element includes a sand screen.

6. (Previously Presented) An apparatus for use in a wellbore, comprising:
an element formed of a superplastic material to perform a predetermined downhole task; and
a shock absorber including the element.

7. (Previously Presented) An apparatus for use in a wellbore, comprising:
an element formed of a superplastic material to perform a predetermined downhole task; and
a releasable connector mechanism including the element.

8. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task; and

an explosive component including the element.

9. (Original) The apparatus of claim 8, wherein the explosive component includes a shaped charge.

10. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task; and

a weak point connector including the element.

11. (Previously Presented) An apparatus for use in a wellbore, comprising:

a carrier line; and

a tool carried by the carrier line for deployment into the wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task; and

a heating device to heat the element to a temperature sufficient to cause the element to exhibit superplastic behavior.

12. – 26. (Cancelled)

27. (Previously Presented) The apparatus of claim 2, wherein the element is adapted to translate the seal into engagement with a downhole structure.

28. (Previously Presented) The apparatus of claim 27, wherein the apparatus comprises a packer.

29. (Previously Presented) The apparatus of claim 27, wherein the apparatus comprises a patch.

30. (Previously Presented) The apparatus of claim 27, further comprising a carrier line and a tool carried by the carrier line for deployment into the well, wherein the tool comprises the element formed of the superplastic material and the component including the seal, the tool further comprising a heating device to heat the superplastic material to a temperature such that the element exhibits superplastic behavior.

31. (Previously Presented) The apparatus of claim 30, further comprising a piston adapted to cause translation of the element.

32. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task;

a component including a seal engageable with the element, wherein the element is adapted to translate the seal into engagement with a downhole structure; and

a heating device to heat the superplastic material to a temperature such that the element exhibits superplastic behavior,

wherein the heating device comprises a propellant.

33. (Previously Presented) The apparatus of claim 2, further comprising a conduit, wherein the element comprises a plug to block fluid flow in a bore of the conduit.

34. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task;

a component including a seal engageable with the element;

a conduit, wherein the element comprises a plug to block fluid flow in a bore of the conduit; and

a port to communicate fluid pressure to deform the plug inwardly to enable movement of the plug.

35. (Previously Presented) The apparatus of claim 3, wherein the component comprises a packer including the anchor.

36. (Previously Presented) The apparatus of claim 35, wherein the packer further comprises a seal,

wherein the element comprises one or more sleeves attached to the anchor and the seal, the one or more sleeves adapted to translate the anchor and seal into engagement with a downhole structure.

37. (Previously Presented) An apparatus for use in a wellbore, comprising:

a carrier line; and

a tool carried by the carrier line for deployment into the wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task,

wherein the element is selected from the group consisting of a casing, a liner, a tubing, and a pipe; and

a heating device to heat the element to a temperature such that the element exhibits superplastic behavior.

38. (Previously Presented) The apparatus of claim 5, further comprising a heating device to heat the sand screen to a temperature such that the sand screen exhibits superplastic behavior.

39. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task; and

a heating device to heat the element to a temperature sufficient to cause the element to exhibit superplastic behavior,

wherein the heating device comprises a propellant.

40. – 41. (Cancelled)

42. (Previously Presented) An apparatus for use in a wellbore, comprising:

an element formed of a superplastic material to perform a predetermined downhole task;

a junction seal assembly comprising the element; and

a heating device to heat the element to a temperature sufficient to cause the element to exhibit superplastic behavior,

wherein the heating device comprises a propellant.

43. (Previously Presented) The apparatus of claim 42, wherein the element comprises one of a tubing and pipe to be inserted into a lateral wellbore.

44. (Previously Presented) The apparatus of claim 2, wherein the superplastic material exhibits elongation to failure in excess of 200%.

45. (Previously Presented) The apparatus of claim 2, wherein the superplastic material has a fine equi-axed grain structure that remains stable during deformation.

46. (Previously Presented) The apparatus of claim 45, wherein a grain size of the fine equi-axed grain structure is in a range of 2 to 10 micrometers.

47. (Previously Presented) The apparatus of claim 3, wherein the superplastic material exhibits elongation to failure in excess of 200%.

48. (Previously Presented) The apparatus of claim 3, wherein the superplastic material has a fine equi-axed grain structure that remains stable during formation.

49. (Previously Presented) The apparatus of claim 48, wherein a grain size of the fine equi-axed grain structure is in a range of 2 to 10 micrometers.